DOCUMENT RESUME

ED 471 255 HE 035 522

TITLE	Preparing for the Revolution: Information Technology and the Future of the Research University.
INSTITUTION	National Academy of Sciences - National Research Council, Washington, DC.
SPONS AGENCY	Woodrow Wilson National Fellowship Foundation, Princeton, NJ.; National Science Foundation, Arlington, VA.; Kellogg Foundation, Battle Creek, MI.
ISBN	ISBN-0-309-08640-X
PUB DATE	2002-00-00
NOTE	80p.; Prepared by the Panel on the Impact of Information Technology on the Future of the Research University. Study organized under the Policy and Global Affairs Division of the National Research Council.
CONTRACT	EIA-0102264;P0085457
AVAILABLE FROM	National Academies Press, 500 Fifth Street, N.W., Lockbox 285, Washington, DC 20055 ($25.50). Tel: 800-624-6242 (Toll Free); Tel: 202-334-3313; Web site: http://www.nap.edu. For full text: http://www.nap.edu/html/revolution/preprev_full.pdf.
PUB TYPE	Books (010) -- Reports - Descriptive (141)
EDRS PRICE	Document Not Available From EDRS.
DESCRIPTORS	*Educational Change; *Futures (of Society); Higher Education; *Information Technology; *Research Universities; Social Change; *Technological Advancement

ABSTRACT

The National Academies launched a study in early 2000 on the implications of information technology for the future of the U.S. research university. The study was designed to identify the information technologies that are likely to evolve in the near term (a decade or less) that could have major impact on the research university and to examine the implications of these technologies. A panel of leaders from industry, higher education, and foundations gathered information from multiple sources and the literature to arrive at several conclusions. The pace of information technology evolution is likely to continue for the next several decades, and could even accelerate. Institutional barriers will be reshaped and possibly transformed. The impact of information technology on the research university is likely to be profound, rapid, and discontinuous. Digital technology will change how the university is organized, financed, and governed. Procrastination and inaction will be dangerous for colleges and universities in this time of rapid transition. It is difficult to predict the impacts of information technology with precision, but it is essential for institutions to develop the capacity to grasp potential changes and see where technology might drive the university. University strategies must include the development of sufficient in-house expertise among faculty and staff to track technological trends and assess courses of action. Appendixes contain the project chronology, the January 22-23, 2001 workshop agenda, and panel member biography sketches. (Contains 126 references.) (SLD)

Reproductions supplied by EDRS are the best that can be made
from the original document.